

Current Glider Track and Location

04/02/2011 @ 1409Z

Glider Position Forecast

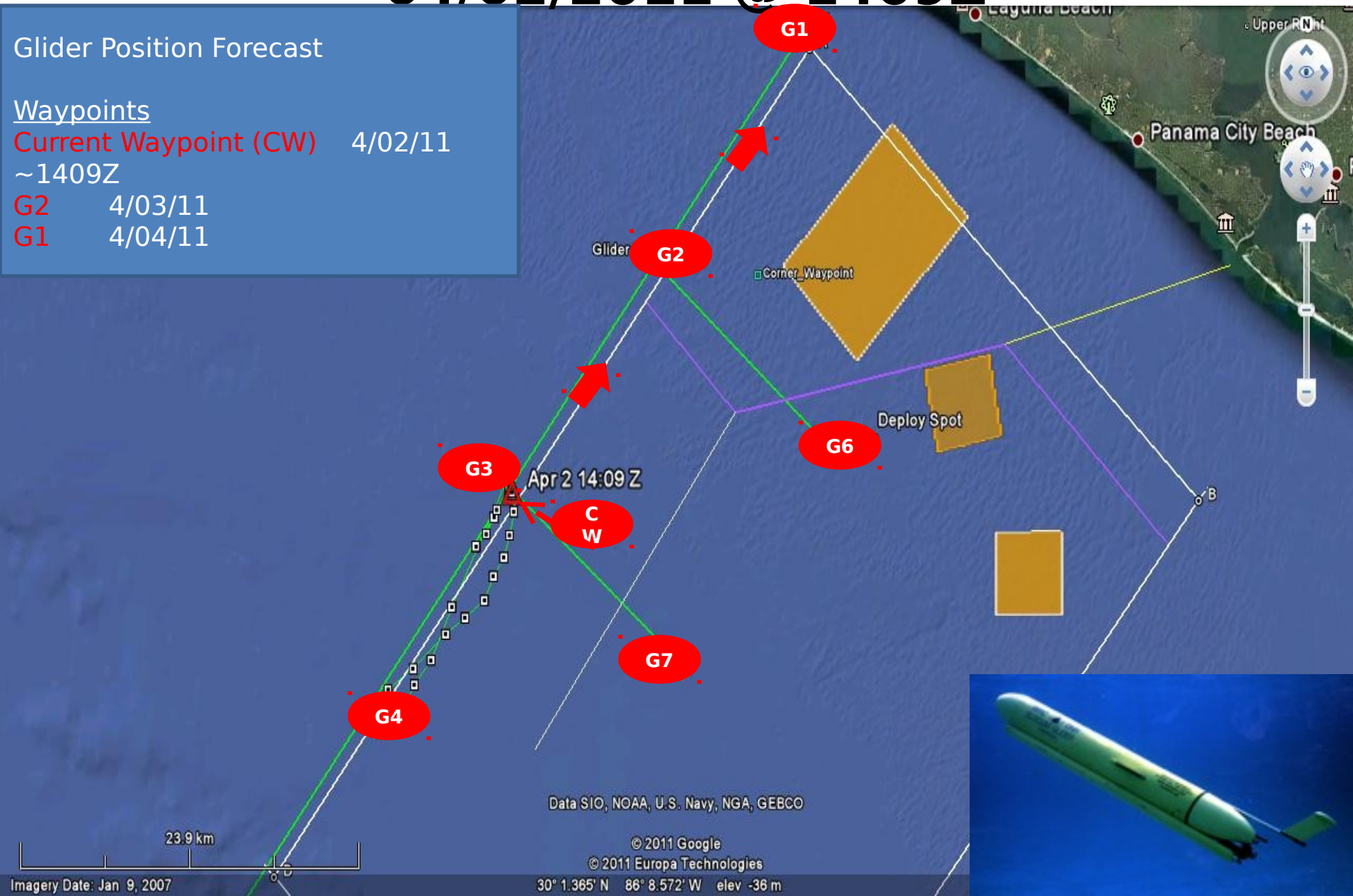
Waypoints

Current Waypoint (CW) 4/02/11

~1409Z

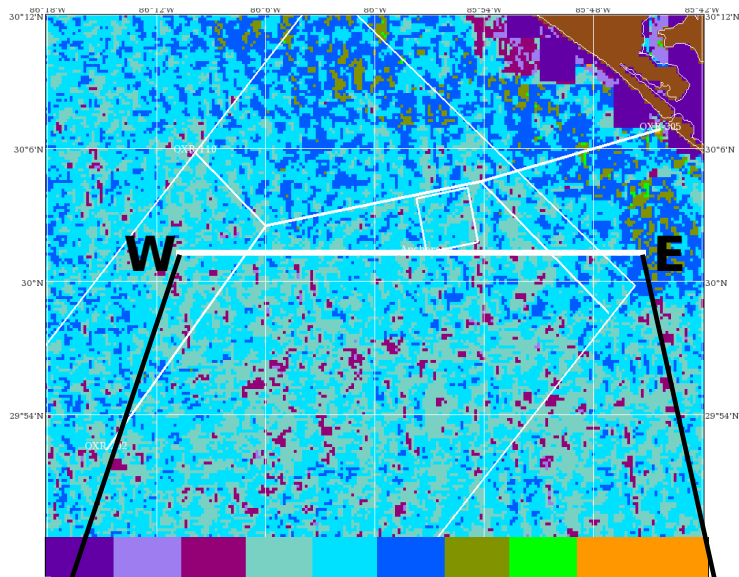
G2 4/03/11

G1 4/04/11



Nowcast AQS-24 Support for April 01, 2011 19Z

Surface Beam-c/Diver Visibility 4/01/11 19Z



c
531nm
m
Diver
Vis
3D Beam-c/Diver Visibility Slice
(West->East)

0m

16m

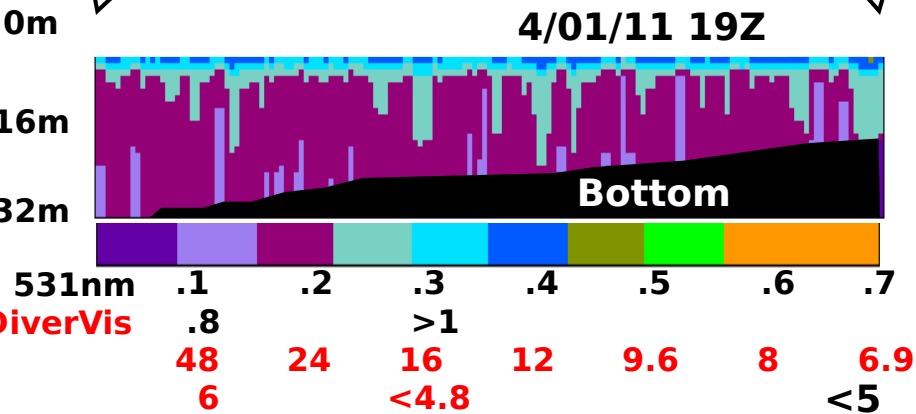
32m

Bottom

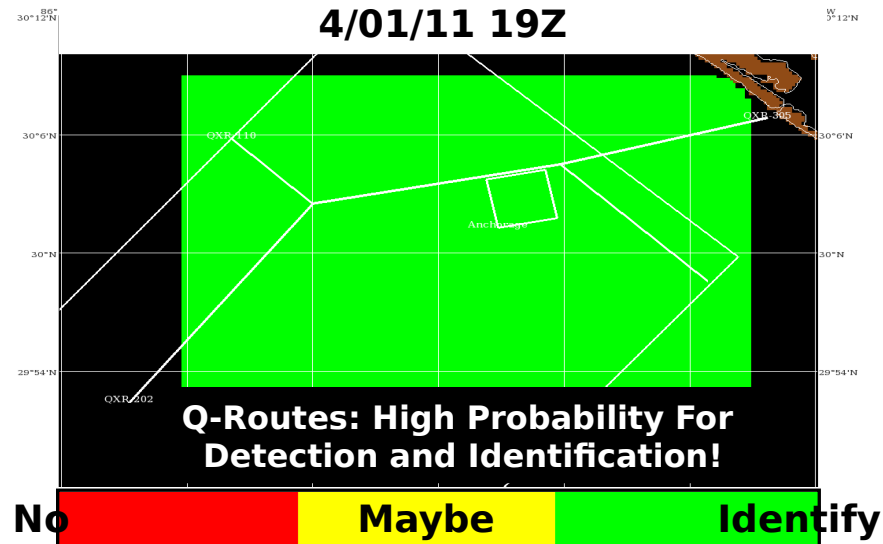
4/01/11 19Z

0.1 0.2 0.3 0.4 0.5 0.6 (1/meters)
meters

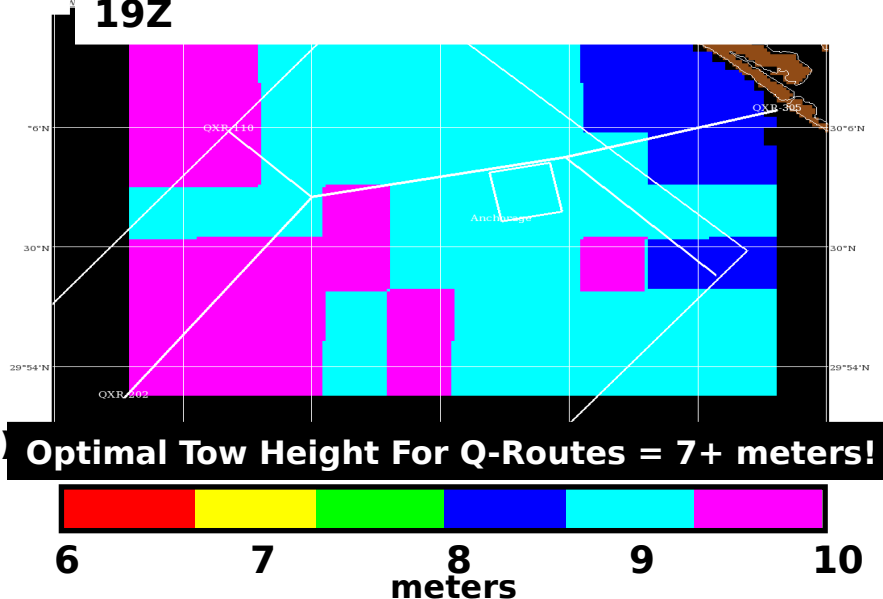
0.8 48 24 16 12 9.6 8 6.9
6 <4.8



Target Identification @ 6m Tow Altitude 4/01/11 19Z



Optimal Tow Altitude - 4/01/11 19Z



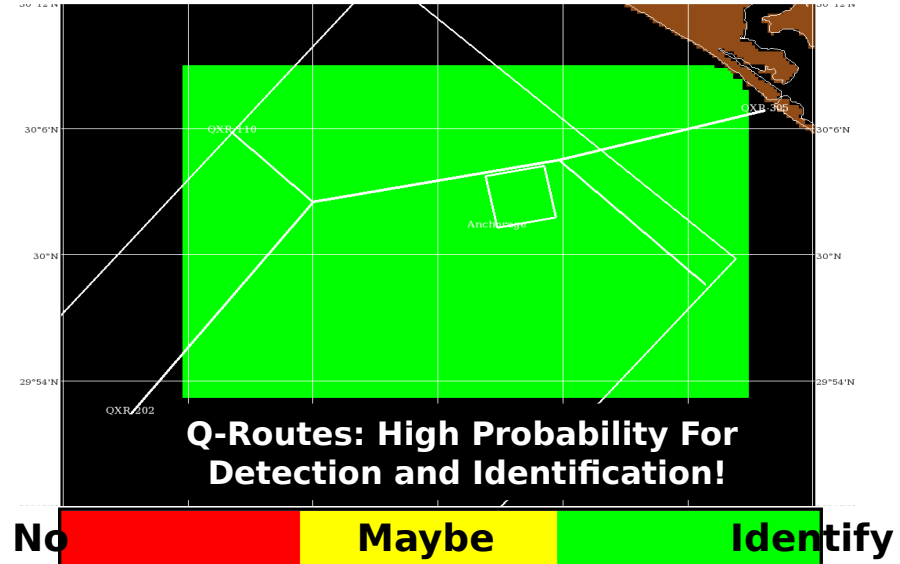
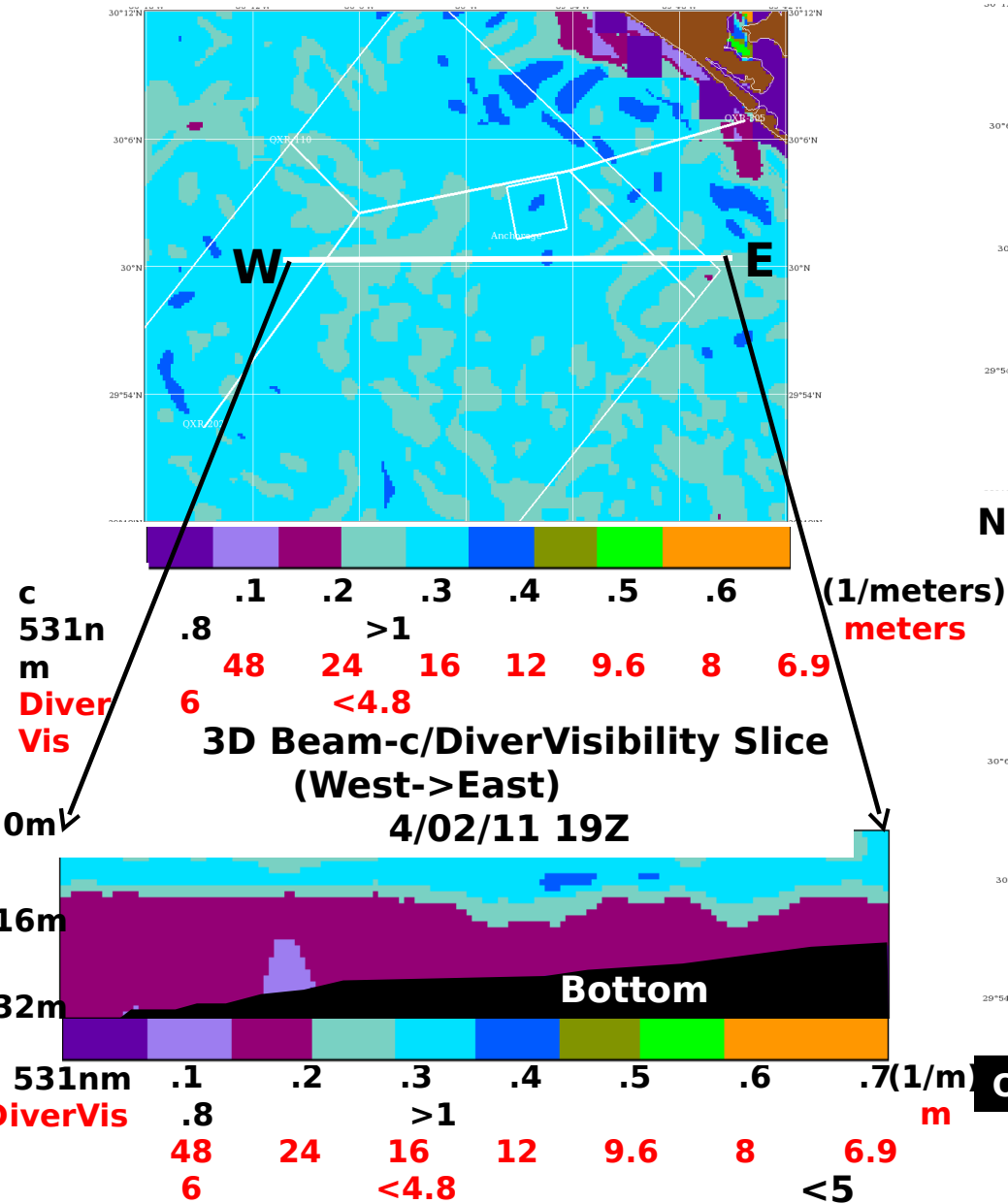
24 Hour Forecast AOS-24 Support for April 02, 2011 19Z

Surface Beam-c/DiverVis

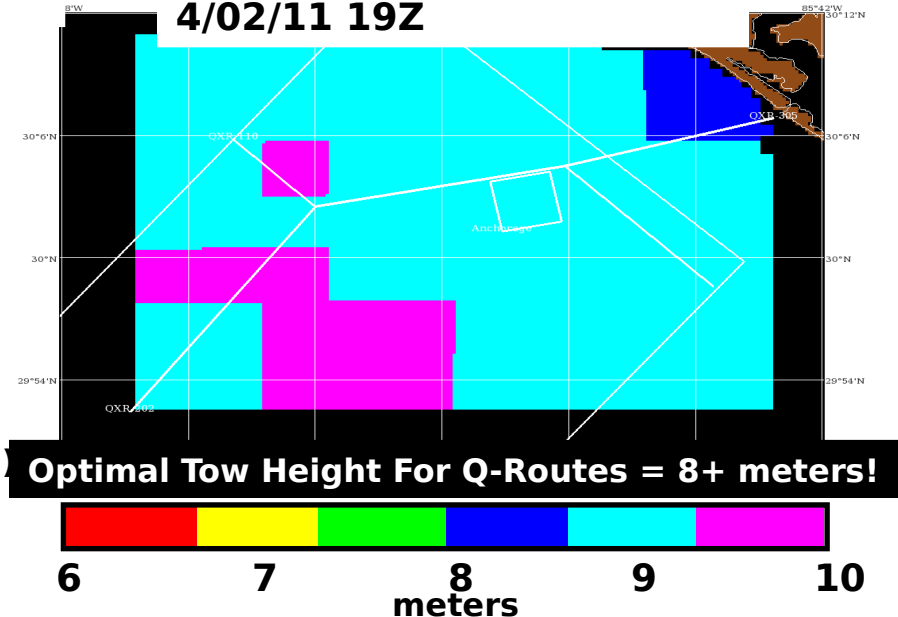
4/02/11 19Z

Target Identification @ **6m** Tow Altitude

4/02/11 19Z



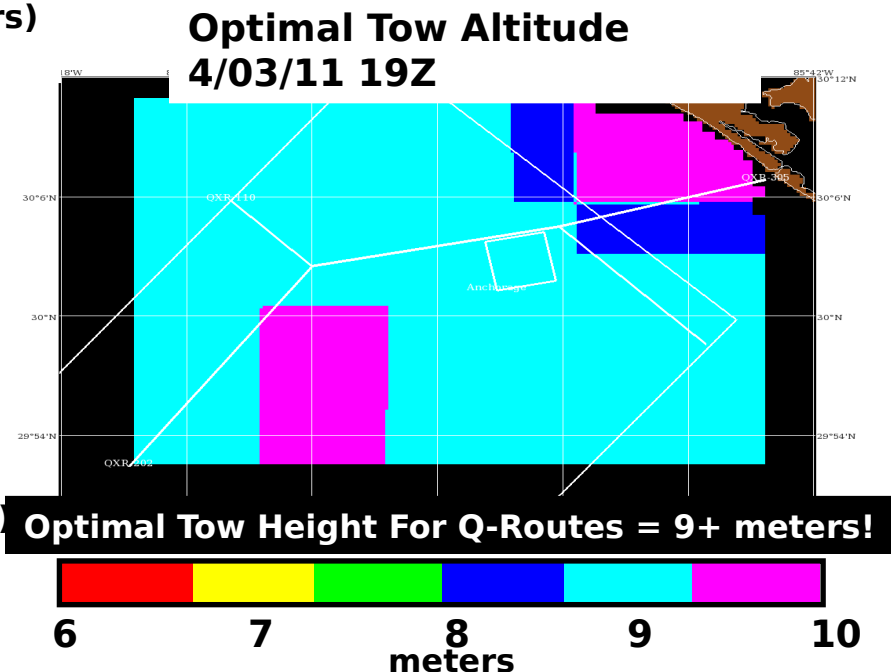
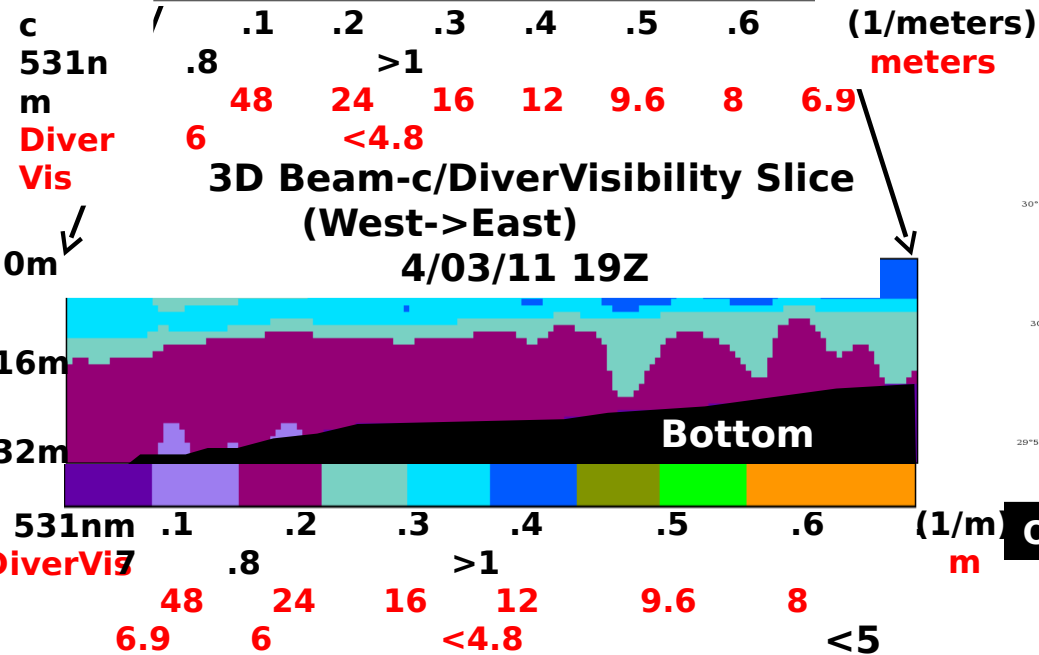
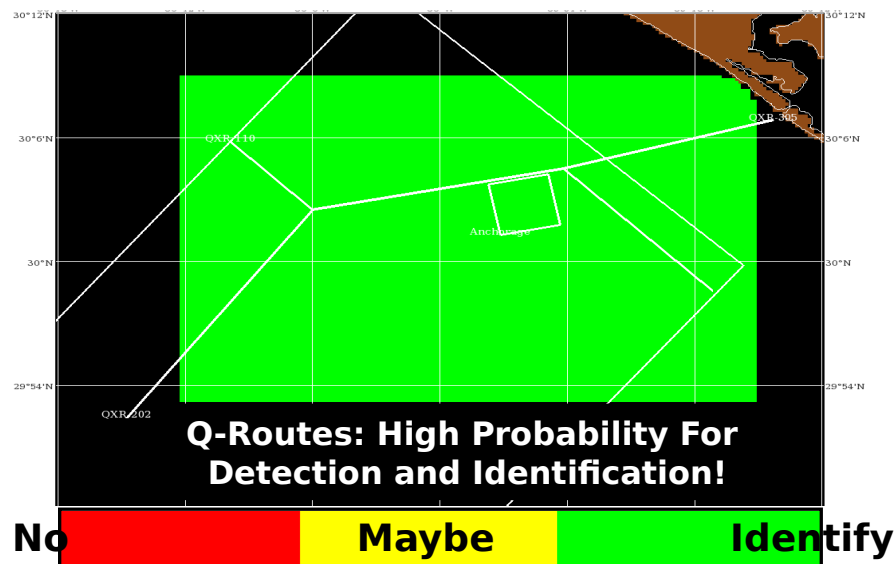
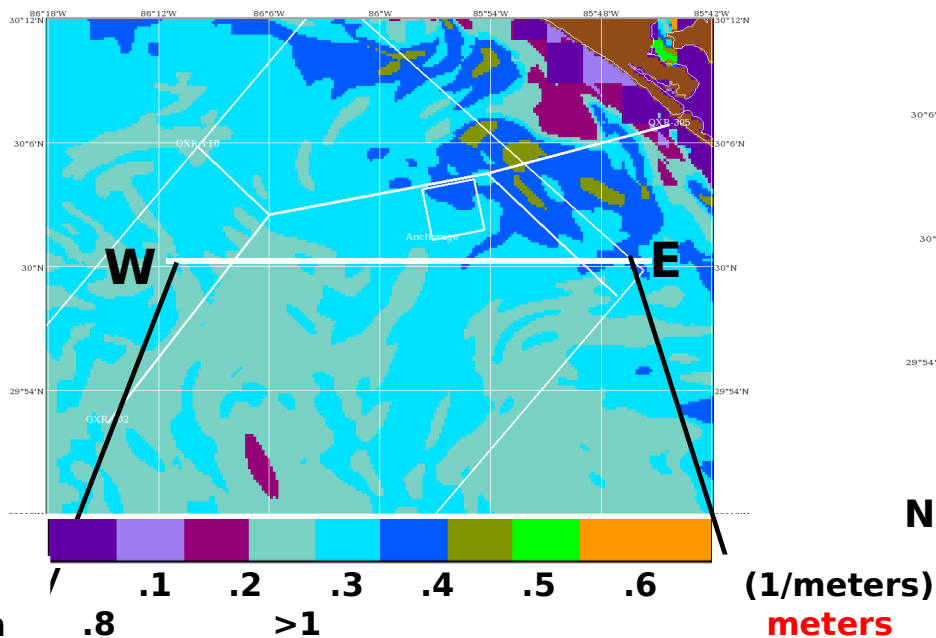
Optimal Tow Altitude 4/02/11 19Z



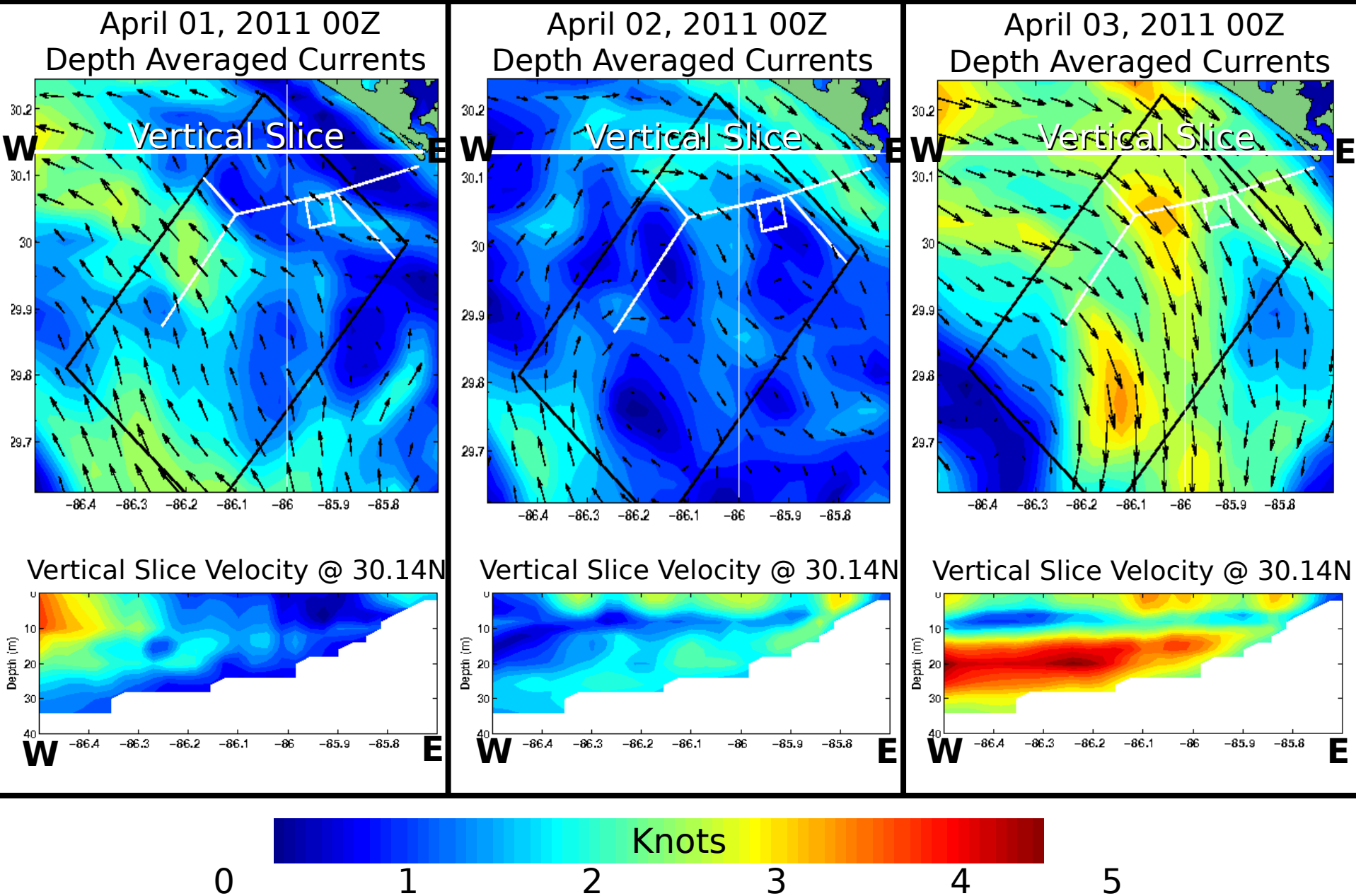
48 Hour Forecast AOS-24 Support for April 03, 2011 19Z

Surface Beam-c/DiverVis
4/03/11 19Z

Target Identification @ **6m** Tow Altitude
4/03/11 19Z



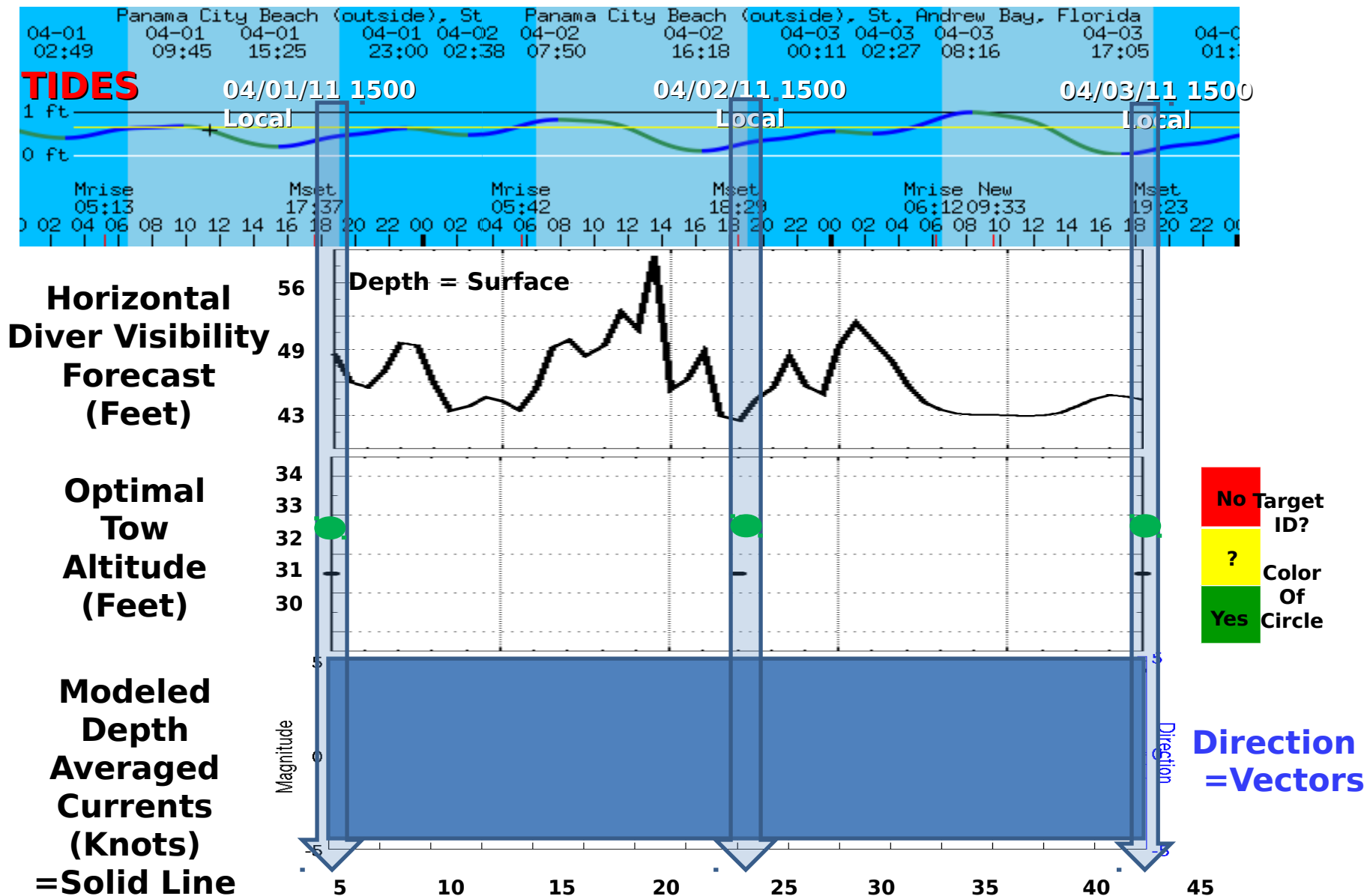
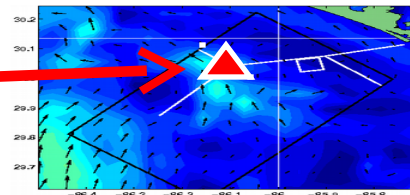
Physical Model Nowcast & Forecast – April 01, 2011



04/01/2011

TIME SERIES @ 30.05N, 86.1W

FORECAST OVER NEXT 48 HOURS



Summary

- 1. Surface and subsurface turbidity (beam-c) range from 0.2-0.6 m^{-1} in op-area for today (04/01/11 19Z) and 0.4-0.5 m^{-1} tomorrow (04/02/11 19Z). 0.3-0.6 m^{-1} in op-area for 48 hour forecast (04/03/11 19Z). (See Slides 2,3,4)**
- 2. Surface and subsurface diver visibility (horizontal) range from 26-79 feet in op-area for today (04/01/11 19Z) and 31-39 feet tomorrow (04/02/11 19Z). 26 - 39 feet in op-area for 48 hour forecast (04/03/11 19Z). (See Slides 2,3,4)**
- 3. Sytem Performance: Today (04/01/11 19Z), tomorrow (04/02/11 19Z) and 48 Hour Forecast (04/03/11 19Z) expect ID and Detection over 100% in Q-Routes.**
- 4. Today (04/01/11 19Z) predicted tow heights range from 30-36 feet and tomorrow (04/02/11 19Z) and 48 hour forecast (04/03/11 19Z) predicted tow heights range from 33-36 feet in Q-Routes. (See Slides 2,3,4)**
- Time Series at Surface for Location 30.05N and 86.1W: Horizontal Diver Visibility ranges from 43 to 60 feet during period starting 04/01/11 19Z to 4/3/11 19Z. Optimal Tow Height is ~33 feet during same 48 hour period yielding high probability of target ID. Surface currents during the same 48 hour period ranges from 0.5 to 2.8 knots**

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Feedback Very Important!

Positive or Negative
How are products being used?
Changes/Needs/Suggestions